

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	(("5289263") or ("5160245")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/18 09:16
S2	1	S1 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:10
S3	1417	(356/400).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/18 09:17
S4	183	S3 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 09:18
S5	1099	S3 and (align\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 09:19
S6	163	S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 09:19
S7	18	("4752898"   "4907035"   "4910549"   "5028955").PN. OR ("5289263").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 10:18
S8	15	(US-4328553-\$ or US-4752898-\$ or US-5125791-\$ or US-5194743-\$ or US-5264918-\$ or US-5289263-\$ or US-5644400-\$ or US-5684599-\$ or US-5880816-\$ or US-5917601-\$ or US-5982474-\$ or US-5929976-\$ or US-5028955-\$ or US-4910549-\$). did. or (JP-01057638-\$).did.	USPAT; JPO	OR	ON	2006/07/18 11:10
S9	15	S8 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:21
S10	15	S8 and (orient\$6 notch center egde angle)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:21
S11	14	S8 and (compar\$4 averag\$3 differ\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:14

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S12	14	S9 and S10 and S11	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:16
S13	1	("20050231721").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/07/18 11:20
S15	1	S13 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:21
S16	1	S13 and (orient\$6 notch center egde angle)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:21
S17	1	S13 and (compar\$4 averag\$3 differ\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:22
S18	1	S15 and S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 11:29
S19	15	(US-4328553-\$ or US-4752898-\$ or US-5125791-\$ or US-5194743-\$ or US-5264918-\$ or US-5289263-\$ or US-5644400-\$ or US-5684599-\$ or US-5880816-\$ or US-5917601-\$ or US-5982474-\$ or US-5929976-\$ or US-5028955-\$ or US-4910549-\$). did. or (JP-01057638-\$).did.	USPAT; JPO	OR	ON	2006/07/18 14:15
S20	15	S19 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S21	15	S19 and (orient\$6 notch center egde angle)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S22	14	S19 and (compar\$4 averag\$3 differ\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S23	14	S20 and S21 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 15:02

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S24	1	("20050231721").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/07/18 14:15
S25	1	S24 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S26	1	S24 and (orient\$6 notch center egde angle)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S27	1	S24 and (compar\$4 averag\$3 differ\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:15
S28	1	S25 and S26 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:21
S32	1417	(356/400).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/18 14:25
S33	183	S32 and ((rotat\$3 spin\$3) near2 (wafer or disk))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:25
S34	1099	S32 and (align\$6)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:25
S35	163	S33 and S34	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:25
S36	2	S35 and (rotation near position with (encoder))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 14:25
S37	11	("3852579"   "4197888"   "4245735"   "4248532"   "4335763"   "4383560"   "4412297"   "4737031").PN. OR ("4884605").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 14:27
S38	5	S23 and (encoder\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 15:05

## EAST Search History

S39	5	S23 and (encoder\$1 counter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/18 15:06
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